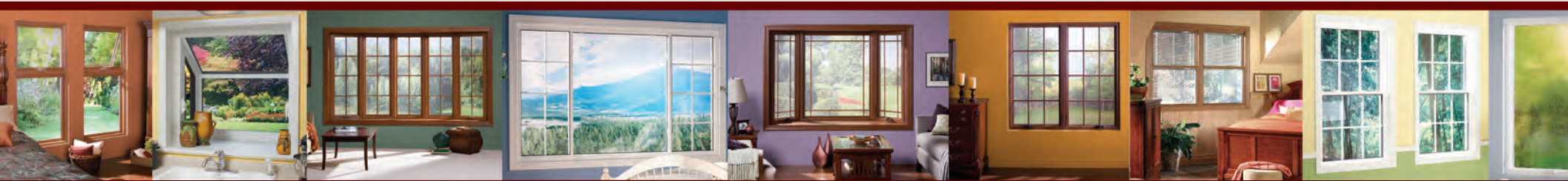


vanguard®



A View That Works

About Sunrise

AT OUR CORE, WE'RE PASSIONATE ABOUT CRAFTING BEAUTIFUL WINDOWS AND DOORS.

We build to the highest quality standards so you get the best performance and reliability in the business, plus the ability to personalize the look and feel you want. We believe it's our job to do everything possible for you to have an unmatched experience with our products, people and services.

Founded in 1994, by industry veterans Gary Delman, Larry VanDeVelde and Elliott Delman, Sunrise Windows has developed a reputation for design, innovation, craftsmanship and service. It's because we listen to our customers to continually refine the products we have and develop new ones. We don't take shortcuts or cut corners. We've found that tiny details truly matter, especially once the final product is in your home. This drive to improve has allowed Sunrise to grow to cover 37 states and parts of Canada.

Sunrise Windows stands out as an industry leader from the many other manufacturers of windows in North America, having received several Industry Awards for innovation.

We're consistently listed as a "Top 100 Manufacturer" by Window & Door magazine, and we've also been identified as one of the "Ten Manufacturers to Watch" by Door & Window Manufacturer Magazine. Of the more than 10,000 window and door manufacturers, fabricators and assemblers in North America, Sunrise Windows and Doors has also received several of the industry's most coveted Crystal Achievement Awards for product innovation and manufacturing. These accolades show our continuous commitment to manufacturing impeccable windows and doors.



Made in the USA and shipped across the country and into Canada.

WindowDoor®
TOP 100
MANUFACTURERS
SINCE 2000



vanguard®



Beauty

WINDOW DESIGN
INTERIOR FINISHES
HARDWARE OPTIONS
MADERA TRIM
DECORATIVE GLASS
GRIDS & SIMULATED DIVIDED LITES
BLINDS & CONVENIENCE OPTIONS
EXTERIOR COLORS
BRICKMOULD & FULL FRAME

Comfort

LATITUDE GLASS OPTIONS
INTERIOR LOW-E
NOISE REDUCTION GLASS
INDUSTRY RATINGS & EFFICIENCY

Craftsmanship

WINDOW STYLES
SLIDING PATIO DOOR
LIFETIME WARRANTY



**Most Efficient
2019**
www.energystar.gov



Beautiful WINDOW DESIGN

WINDOW DESIGN AT ITS BEST!

Constructed with aesthetics in mind, our narrowline Double Hung window design provides on average 27% more visible glass area than other competitive brands.

Vanguard windows are designed with the beauty of American architecture in mind. Our contoured interior profile, and double coved, smooth-formed exterior design will provide your home with the attractive lines and curb appeal you desire.

Don't settle for bulky, boxy frames that offer less viewing area with your replacement window purchase.

With Vanguard windows, we offer more for you to see.

TYPICAL VINYL WINDOW



VANGUARD WINDOW



Who said all windows are the same?

That is simply not true. With Vanguard windows, you can explore a variety of window styles, colors, and options that will come together to make your home shine. Every window is designed to allow the maximum amount of light in and to fit any opening. Best of all, the designer options of Vanguard windows coordinate with Madera interior trim finishes and Sunrise's entry door products.



Painter's White Double Hung windows with top mulled Picture windows.

MADE TO MATCH YOUR *Style*

CREATE A LOOK THAT IS UNIQUELY YOU.

Whether your home is Modern or Rustic, Contemporary or Craftsman, Vanguard windows provide a variety of options that allow you to make your windows a true reflection of your personal style.

Designing your perfect window is more than selecting the right window type or glass package for your climate zone. With Vanguard, you have options that enhance the aesthetics of your window, such as woodgrain finishes, architectural hardware and exterior brickmould, as well as convenience options like SolarClean™ self-cleaning glass, OptiView™ screens, and full frame replacement.

Style Options:

- » INTERIOR COLORS AND FINISHES
- » ARCHITECTURAL HARDWARE
- » MADERA™ PREMIUM INTERIOR TRIM
- » DECORATIVE GLASS AND GRIDS
- » SIMULATED DIVIDED LITES AND MEETING RAILS
- » SUNBLINDS® BETWEEN-THE-GLASS BLINDS
- » OPTIVIEW™ HIGH-VISIBILITY SCREENING
- » PETTOUGH DURABLE SCREENING
- » SOLARCLEAN™ SELF-CLEANING GLASS
- » EXTERIOR COLORS (STANDARD AND CUSTOM)
- » BRICKMOULD AND FULL FRAME

INTERIOR COLORS & FINISHES TO COMPLIMENT YOUR

Motif



Casement Window in Brazilian Pecan.



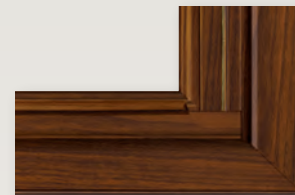
Golden Oak Woodgrain



Brazilian Pecan Woodgrain



Colonial Cherry Woodgrain



English Walnut Woodgrain



Provincial Oak Woodgrain



Norwegian Maple Woodgrain



Painter's White



Tan



Paintable / Stainable

Choose the Vanguard interior color or woodgrain finish that will best compliment your home's existing trim, or coordinate with our optional Madera™ Premium Interior Trim products for a whole-room upgrade. Please note, printed images may vary from exact product colors and finishes. Please see your authorized dealer for exact color and finish samples.

- Realistic pine graining which remains visible through most shades of stain
- Simple, natural beauty which can be retained with a coat of water-based varnish
- Paint to match any decor like a traditional wood-window

HARDWARE FINISHES



White



Tan



Pontiac Gold

— STANDARD • ARCHITECTURAL —

FOR SINGLE HUNG, DOUBLE HUNG, CASEMENT, AWNING, SLIDING AND SPECIALTY WINDOWS



Oil-Rubbed Bronze



Brushed Nickel



Antique Brass

PREMIUM TRIM FOR A FINAL TOUCH OF *Elegance*

ENHANCE YOUR HOME'S DECOR

Before you consider your window replacement project complete, take a good look at the interior trim or drywall around them. Chances are, you'll see signs of wear like scratches, stains, color fading or water damage. With Madera™ Premium Interior Trim, you can completely transform your new windows to a beautifully finished look. Plus, replacing your old trim insures that the entire opening is properly insulated.

Madera is made from furniture quality oak or maple and comes pre-finished and pre-assembled for a faster, less messy installation than traditional trim options. Choose from several attractive styles available in six stain colors and Painter's White to match the look and feel you want with your decor.

CASING PROFILES TO MAKE A STATEMENT

There are a variety of ways to design your trim to complement your new windows. Madera™ Premium Interior Trim can be ordered in one of our standard stain colors, Painter's White, or it can be manufactured in a primed or unfinished surface to allow custom finishing to match your decor. Then, select the casing profile in picture frame or stool and apron, to showcase your home's unique style.



Twin Double Hung windows in Provincial Oak and matching Madera with stool and apron.



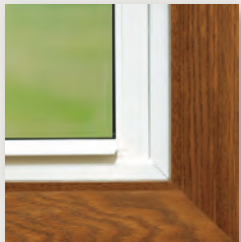
Colonial & Stool and Apron



Flat with Backband & Stool and Apron



Flat & Stool and Apron



Ranch & Picture Frame



Flat with Backband Profile



Flat Profile



Ranch Profile



Colonial Profile

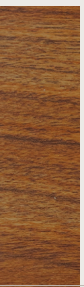
FINISH OPTIONS



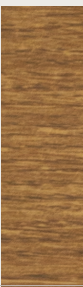
Brazilian Pecan



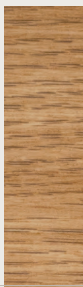
English Walnut



Colonial Cherry



Provincial Oak



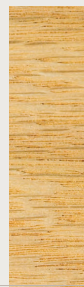
Golden Oak



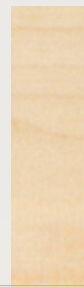
Norwegian Maple



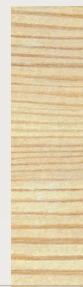
Painter's White



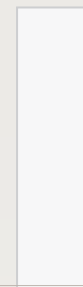
Unfinished Oak



Unfinished Maple



Paintable/Stainable Laminate



Primed

DECORATIVE GLASS AND GRIDS TO ADD A DESIGNER *Flourish*

DESIGNER ART GLASS STYLES

Express your style with custom grooved glass or insulated leaded glass designs. From Contemporary to Traditional, these wonderfully arranged patterns add color, value and architectural detail to your home. Create your own work of art.



Hannibal



Keokuk



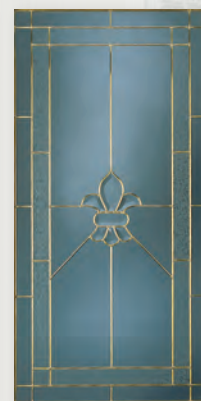
Natchez



St. Paul



Galena



St. Louis



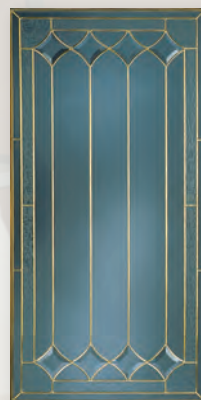
LaCrosse



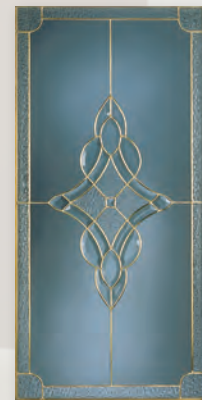
Vidalia



Sunrise Bevel



Davenport



Vicksburg



Gretna

GLASS COLOR & PATTERN OPTIONS FOR DESIGNER GLASS



Medium
Amber



Cobalt
Blue



Pale
Amber



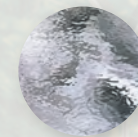
Yellow



Ruby Red



Emerald



Clear 100W



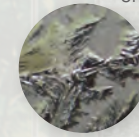
Pink
Champagne



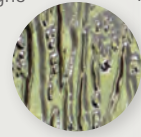
Light
Purple



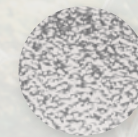
White



Glue Chip*



Rain*



Obscure*



Reeded



Seedy



Granite



Waterglass



Flat

CAMING OPTIONS FOR DESIGNER GLASS



Brass



Patina



Zinc

*Rain, Obscure and Glue Chip decorative glass patterns also available in full panes (by the sash)

DECORATOR GRID OPTIONS

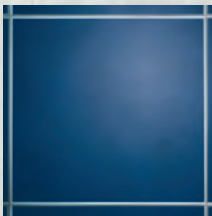
Grid options provide that extra design detail that enhances your window viewpoint. With Vanguard windows, you have your choice of grids, v-groove glass etching or simulated divided lites in a variety of styles.



Standard Diamond



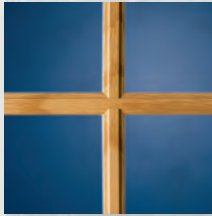
Florentine V-Groove



Single Prairie



Double Prairie



Woodgrain Georgian Colonial



Georgian Colonial



Tudor V-Groove



Marquis V-Groove



Standard Colonial



SIMULATED MEETING RAIL

Get the look you want. Choose from an assortment of grid designs to make your Simulated Meeting Rail Casement or Awning window match your home's style.



SIMULATED DIVIDED LITES

Simulated Divided Lites allow you to enjoy the advantages of thermally-efficient insulating glass windows while maintaining the timeless beauty of grids on both the interior and exterior panes of glass.

A SPACER BAR BETWEEN THE GLASS SHADOWS THE PATTERN OF THE SIMULATED DIVIDED LITE GRID, ADDING TO THE ARCHITECTURAL AUTHENTICITY OF THE WINDOW.



CONVENIENCE OPTIONS WITH EXCEPTIONAL *Taste*



Lift & Tilt SunBlinds® are available for all Performance Sash windows, including Triple-Pane Operating Casements, which offer maximum efficiency, beautiful styling and ease of operation.

SUNBLINDS® BETWEEN THE GLASS

These adjustable mini blinds are actually sealed between the panes of glass, offering less maintenance with style. SunBlinds® are available in two popular, neutral colors that complement the window style and finish you've selected. SunBlinds® are available for Performance Sash Casement, Performance Sash Awning, and Sliding Patio Doors.



White SunBlinds®

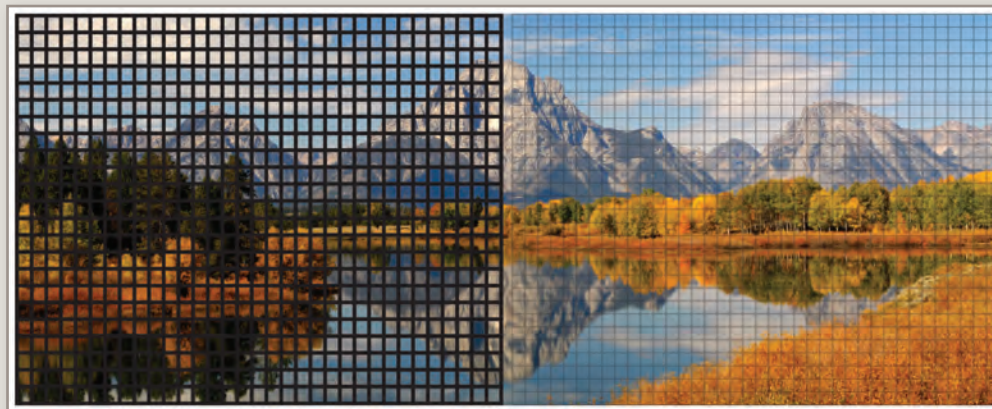


Tan SunBlinds®

SIDE SLIDE “CORDLESS” LIFT AND TILT OPERATOR

SunBlinds® are constructed with a single, side slide magnetic operator that can raise, lower, and tilt the blind assembly. available on Sliding Patio Doors and Casement or Awning windows featuring the performance sash configuration.





Standard Screen

OptiView Screen

- Clearer View
- Better Insect Protection
- Better Airflow
- Enhanced Curb Appeal

OptiView screening is standard on all Vanguard windows and an option on Vanguard Sliding Doors.

PetTough Screen

DAMAGE RESISTANT SCREENING

Keep your pets safe and secure, and keep your screens intact with PetTough Screen.

- Resists damage by dogs and cats
- Made of strong vinyl-coated polyester
- Not harmful to pets

PetTough Screen is optional for all Windows and Sliding Doors.

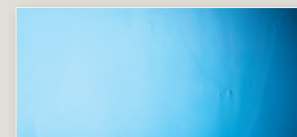


SOLARCLEAN™ SELF-CLEANING GLASS

Vanguard windows with SolarClean™ self-cleaning glass combine the latest technologies to use the sun's ultraviolet rays and the sheeting characteristics of the glass to break down the adhesion of dirt and debris from the glass, while rain or a light water spray rinses it away. SolarClean™ offers minimal maintenance due to less spotting and streaking . . . and best of all, it's guaranteed for life.



Window with Traditional Glass



Window with SolarClean™
Self-Cleaning Glass

COORDINATING EXTERIOR COLORS THAT ENHANCE

Curb Appeal



Antique Red
(P)



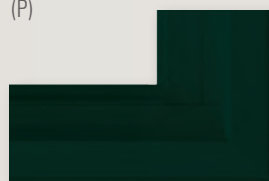
Royal Brown
(P)



Maize
(P)



Vintage Linen
(P)



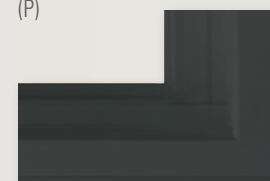
Forest Green
(P)



Black
(P)



Pebble
(P)



Iron Ore
(P)



Mystic Gray
(P)



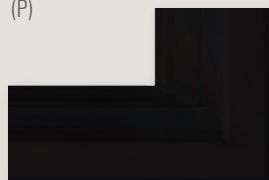
Sable
(P)



Commercial Brown
(P)



Slate
(P)



Antique Brown
(P)



Earthtone
(C, P)



Sandstone (C, P)



Tan (C, P)



Painter's White
(C, P)

Standard Exterior Colors are available in
Paint (P) or Vinyl Capstock (C).



Need to match a specific color? Ask your
authorized dealer about custom paint.

SINCE EXTERIOR PAINTED COLORS HAVE A TEXTURED FINISH, MIXING PAINTED UNITS ON THE SAME ORDER WITH CAPSTOCK UNITS IS NOT RECOMMENDED. COLORS MAY VARY FROM ACTUAL FINISHES DUE TO THE PRINTING PROCESS OF THIS BROCHURE.

BRICKMOULD & FULL-FRAME OPTIONS ADD POLISH TO YOUR NEW

Look

BEFORE

AFTER

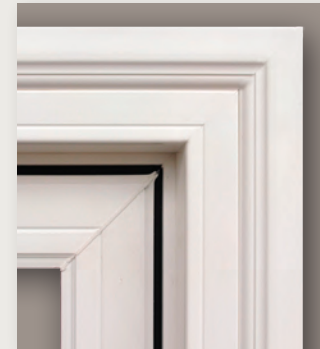


Replacing your windows and leaving the aging, wooden brickmould can leave your home looking worn and dated. Vanguard's vinyl brickmould options are a long-lasting, low-maintenance way to enhance the beauty and curb appeal of your home.

BRICKMOULD PROFILES



2" Contoured brickmould profile adds traditional style to an existing wood application. The profile has a 1½" cutback/extension beyond the frame.*
*Some angle/curve limitations may apply.



2¼" Contoured brickmould profile imparts modern styling to an existing wood application. The profile has a 2" cut-back outside the frame. Available with factory integrated nail fin for Full Frame applications.

Multiple brickmould profiles allow for virtually all traditional brickmould applications with no exposed fasteners, providing a crisp curb appeal to the appearance of your home.

Vanguard offers brickmould applications from 2" to 2¼"; available in a sloped "picture-frame" configuration for water drainage and maintenance freedom. For a traditional style, our 2" milled brickmould profile is available in a sill nose configuration.



FULL FRAME REPLACEMENT

Additionally, Vanguard has an optional system solution available if your home has both frame and sash problems needing to be addressed and replaced. Restore structural integrity and architectural beauty with our Full Frame Replacement System, and rest in the comfort of knowing that your replacement windows are maximized for energy efficiency.

OLD WINDOWS THAT HAVE SIGNIFICANT DECAY MAY BE THE PERFECT CANDIDATES FOR A FULL FRAME REPLACEMENT SYSTEM, SHOWN HERE.

LATITUDE GLASS OPTIONS

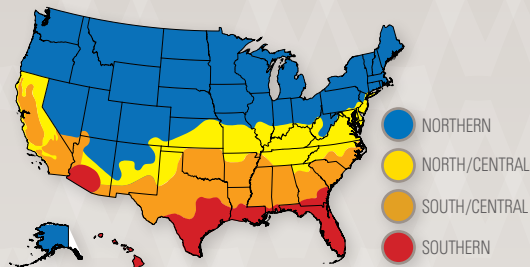
SAVE ENERGY WHILE PROVIDING *Comfort*

MAXIMUM EFFICIENCY TESTED & CERTIFIED

Most window manufacturers utilize the same type of insulated glass in all the windows they produce, regardless of whether the windows are installed in the cold north or the hot south. Vanguard features Latitude Glass, a series of high performance insulated glass systems, each of which is engineered to provide you the maximum thermal efficiency and comfort in the particular area of the country where you live.

All of Latitude insulated glass systems are licensed and certified in accordance with the NFRC Certification Program. Please consult with your Authorized Vanguard Dealer to select which system will be best for your home.

ENERGY STAR ZONE CERTIFIED



Energy Star (www.energystar.gov) is a United States Government supported program dedicated to helping consumers protect the environment through the investment in energy efficient products. Vanguard windows exceed Energy Star's performance guidelines for every climate zone in the country.

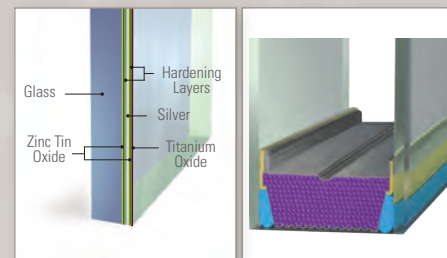


PASSIVE U

A $\frac{7}{8}$ " overall dual glazed insulated glass unit featuring our exclusive Passive U glass, the GlassGuard™ spacer system, and an air space filled with high density argon gas. The Passive U coating structure is composed of six layers of high performance reflective metallic shields.

Also available: Passive U², featuring Interior Low-E.

Window Type	Passive U (P2100a)	
	U-Factor	SHGC
Double Hung	0.29	0.49
Casement	0.27	0.45
Window Type	Passive U ² (P2210a)	
	U-Factor	SHGC
Double Hung	0.24	0.48
Casement	0.23	0.44



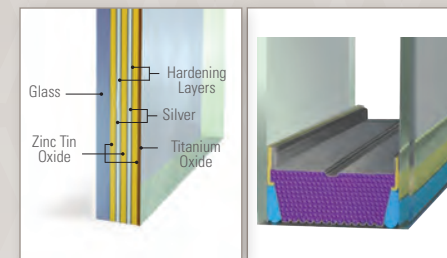
6 Layer Glass

ULTRA U PLUS

A $\frac{7}{8}$ " overall dual glazed insulated glass unit featuring our exclusive Ultra U Plus glass, the GlassGuard™ spacer system, and an air space filled with high density argon gas. The Ultra U Plus coating structure is composed of eight layers of high performance reflective metallic shields.

Also available: Ultra U Plus², featuring Interior Low-E.

Window Type	Ultra U Plus (N2100a)	
	U-Factor	SHGC
Double Hung	0.28	0.28
Casement	0.27	0.26
Window Type	Ultra U Plus ² (N2210a)	
	U-Factor	SHGC
Double Hung	0.24	0.28
Casement	0.23	0.26



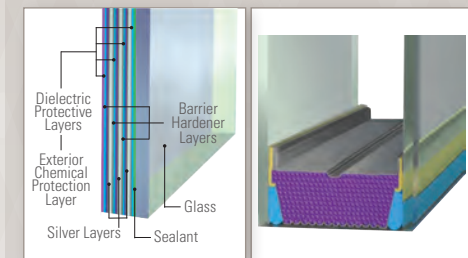
8 Layer Glass

OMEGA 12

A $\frac{7}{8}$ " overall dual glazed insulated glass unit featuring our exclusive Omega 12 glass, the GlassGuard™ spacer system, and an air space filled with high density argon gas. The Omega 12 coating structure is composed of twelve layers of high performance reflective metallic shields.

Also available: Omega 12², featuring Interior Low-E.

Window Type	Omega 12 (S2100a)	
	U-Factor	SHGC
Double Hung	0.27	0.21
Casement	0.26	0.19
Window Type	Omega 12 ² (S2210a)	
	U-Factor	SHGC
Double Hung	0.24	0.21
Casement	0.22	0.19



12 Layer Glass

ENERGY STAR is more than just a label awarded for energy efficiency. It is a partnership among government, businesses, and consumers, designed to protect the environment for future generations. The **ENERGY STAR Most Efficient** designation identifies products that represent the leading edge in energy efficient among those that qualify for the ENERGY STAR program.

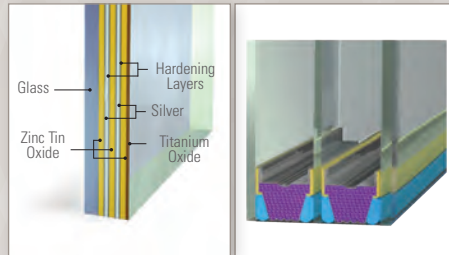


AR90

A $\frac{7}{8}$ " overall triple glazed insulated glass unit made up of two panes of Ultra U Plus glass (each of which is composed of eight layers of high performance reflective metallic shields) and one pane of clear glass. Complete with the GlassGuard™ spacer system and two chambers filled with high density argon gas.

Also available: AR90², featuring Interior Low-E.

Window Type	AR90 (N3200a)	
	U-Factor	SHGC
Double Hung	0.22	0.22
Casement	0.21	0.20
Window Type	AR90 ² (N3310a)	
	U-Factor	SHGC
Double Hung	0.20	0.22
Casement	0.19	0.20



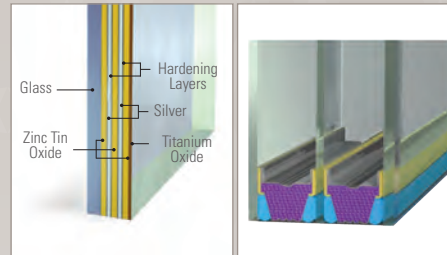
16 Combined Layer Glass

KR90

A $\frac{7}{8}$ " overall triple glazed insulated glass made up of two panes of Ultra U Plus glass (each of which is composed of eight layers of high performance reflective metallic shields) and one pane of clear glass. Complete with the GlassGuard™ spacer system and two chambers filled with high density krypton gas.

Also available: KR90², featuring Interior Low-E.

Window Type	KR90 (N3200k)	
	U-Factor	SHGC
Double Hung	0.18	0.22
Casement	0.17	0.20
Window Type	KR90 ² (N3310k)	
	U-Factor	SHGC
Double Hung	0.16	0.22
Casement	0.16	0.20



16 Combined Layer Glass



THE LABEL TELLS THE REAL STORY

Designed to help consumers measure and compare energy performance of different window brands, the National Fenestration Rating Council (NFRC) provides consistent benchmark ratings on performance characteristics of different window and door brands, allowing you to compare different brands by the same fair standards.

Many manufacturers may make claims as to how their products perform, but they may not provide you with the actual printed copy of the NFRC label. Without the label, there's no guarantee as to how or where the products were tested. With Vanguard windows, we've invested time and money to provide consumers certified performance data so you can be certain our products will perform for you.

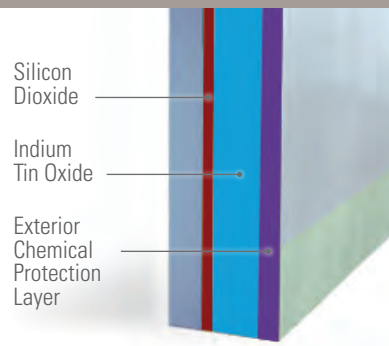
*NOTE: NFRC Label shown here is taken from a Vanguard Double Hung unit constructed with AR90 glass and optional Grids; the grids account for the variance in the U-Factor and SHGC data.

INTERIOR LOW-E COATINGS

REFLECT HEAT BACK INTO YOUR HOME BY *Design*

Similar to what is used on premium cell phones and tablets, Vanguard's optional Interior Low-E coatings are scratch resistant, long lasting and they reflect your home's heat back into the room. Superior thermal performance is delivered using argon or krypton filled cavities and innovative glass coatings. This combination outperforms conventional windows to keep your home comfortable at any temperature.

INTERIOR LOW-E



Available together with N Series or P Series Glass, Interior Low-E improves comfort when the weather turns cold.

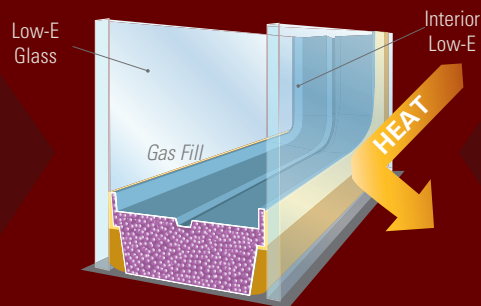
KEEPING HEAT IN WHEN IT'S COLD OUTSIDE

Interior Low-E is applied to the roomside surface of the window to help prevent heat from escaping from the house. This option is primarily beneficial in climate zones where insulation (U-Factor) is the primary concern.

- EXCEEDS 2019 ENERGY STAR STANDARDS
- RELIABLE, WARMER, DUAL-SEALED SPACER
- CONSISTENT, LONG LASTING COMFORT AND PERFORMANCE
- LIFETIME WARRANTY COVERS THE ENTIRE WINDOW, INCLUDING THE GLASS

OUTSIDE PANE(S)

- Blocks heat out in the summer
- Keeps warmth in during the winter



ROOM SIDE PANE

- Reflects furnace heat back into your home, saving you money
- Easy to clean
- Durable and scratch resistant





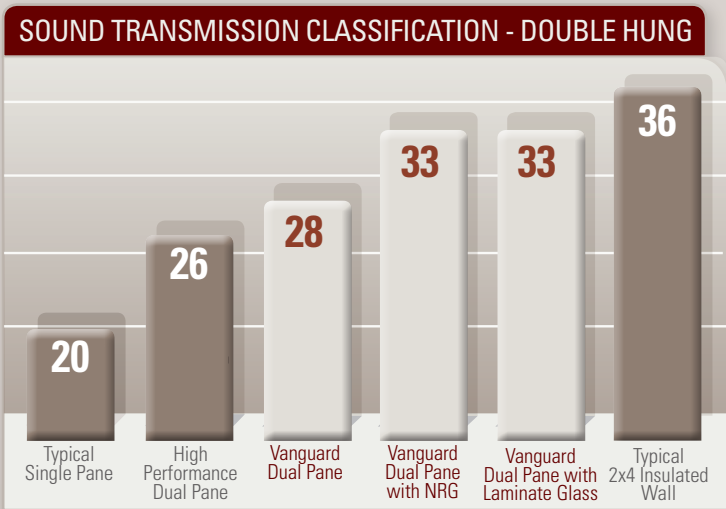
NOISE REDUCTION GLASS TO TURN YOUR HOME INTO A *Sanctuary*

The world around us is filled with unwanted sounds, such as barking dogs, loud conversations, lawn mowers, and traffic noise. These sounds can travel into your home through or around windows and doors, disrupting your peace and quiet. Vanguard offers the Noise Reduction Glass option that not only provides superior energy performance, but noise reduction as well — at a fraction of the cost of traditional sound abatement options.

TESTING FOR NOISE REDUCTION

Sound reduction in windows and doors is tested and most commonly rated for comparison using a Sound Transmission Class (STC) rating. The higher the STC value the greater the noise reduction performance.

Changes in STC Rating	Changes in Apparent Loudness
+/- 1	Almost imperceptible
+/- 3	Just perceptible
+/- 5	Clearly noticeable
+/- 10	Twice (or half) as loud



Vanguard windows are tested and rated to ASTM E(90) for Sound Transmission (test sizes per ASTM E1425). STC ratings will vary by product type. The higher the rating value the greater the sound reduction. Data compiled from stcratings.com

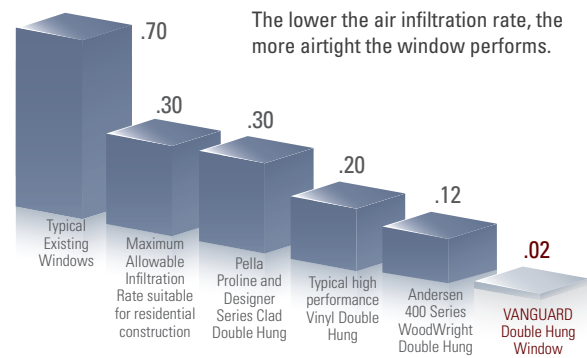
OTHER KEY FACTORS IN SOUND REDUCTION ARE AIR TIGHT CONSTRUCTION AND PROPER INSTALLATION. VANGUARD WINDOWS HAVE SOME OF THE INDUSTRY'S LOWEST AIR INFILTRATION VALUES. OUR TRIPLE WEATHER-STRIP BARRIER PROVIDES 50% MORE WEATHER-STRIPPING THAN OTHER WINDOWS, ELIMINATING COLD DRAFTS AND REDUCING UNWANTED WHISTLING SOUNDS FROM POORLY SEALED WINDOWS. ALSO, VANGUARD OFFERS POLYFOAM WRAP TO INSULATE BETWEEN THE WINDOW FRAME AND THE EXISTING WALL, FURTHER REDUCING DRAFTS AND NOISE; AND VANGUARD OFFERS INSTALLATION TRAINING FOR OUR PRODUCTS TO ENSURE PROPER, AIR-TIGHT INSTALLATION.



THE VANGUARD DOUBLE CONTOURED NARROWLINE MAINFRAME ADDS BEAUTY AND STRENGTH TO OUR DOUBLE HUNG AND SLIDER WINDOWS. OUR MULTI CHAMBER ULTRACORE® POLYU

UNDERSTANDING GLASS RATINGS AND *Performance*

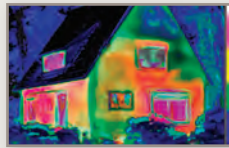
Air Infiltration Ratings



With a constant 25 mile per hour wind, this test shows how many cubic feet of air infiltrate through each square foot of the window each minute. Results from each manufacturer's published product specifications (2010 Pella Commercial Solutions, and Andersen 01/2009 Performance Data Sheet). Air infiltration results for Vanguard Double Hung windows from April 2016 testing.

The National Fenestration Rating Council (NFRC) and ENERGY STAR programs have established standards and requirements that help homeowners select the best windows and doors for their homes. Products are independently tested, certified and labeled with standardized codes so you can be confident they will perform as advertised.

NFRC and ENERGY STAR evaluate and certify windows based on five efficiency criteria:



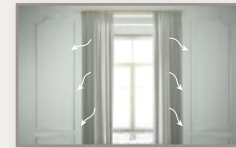
U-FACTOR measures how well the window prevents heat from entering or escaping the home. Windows with a lower U-Factor provide better insulation. U-Factor is important wherever you live, but is a primary concern for homes in colder climates.



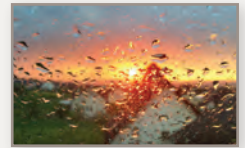
SOLAR HEAT GAIN COEFFICIENT (SHGC) measures how much heat from the sun is blocked. Lower numbers identify windows that reflect more heat. This is particularly important during the summer in hot Southern climates.



VISIBLE TRANSMITTANCE (VT) measures how much light comes through the whole window. Ranging from 0 to 1, windows with higher numbers allow more light into the home.



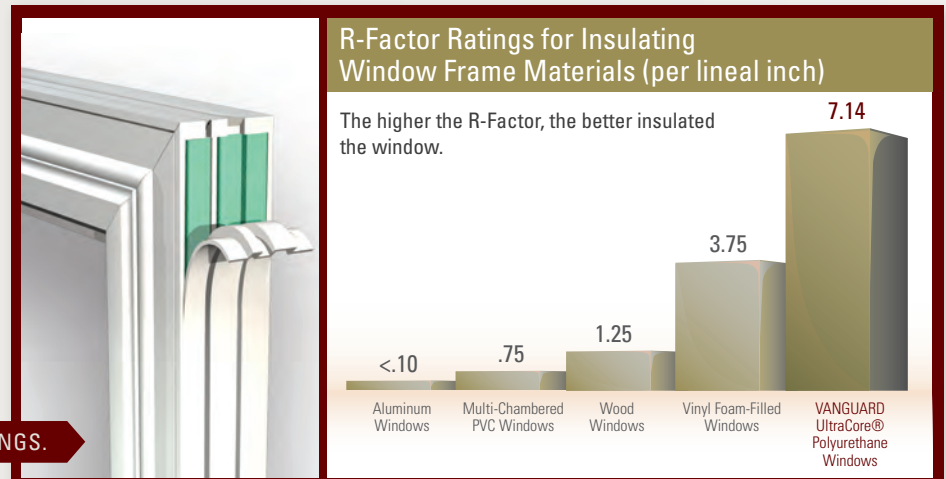
AIR INFILTRATION measures how much outside air comes into the home through a closed window. The lower the air leakage number, the lower the potential for draft through the window.



CONDENSATION RESISTANCE (CR) measures how well the window resists the formation of condensation on the inside of the window. The higher the number, the better the window is able to resist condensation.

Efficient and Secure

Vanguard windows are built for both superior energy efficiency and security. The mortised locks and night latches allow you to vent your window without worry. The polyurethane foam filled window frame provides an R-value of 7.14 — equivalent to the insulation level of a wood window with a frame that is 16" deep. When combined with your choice of low-e glass packages, Vanguard windows reach a U-factor as low as .16.



POLYURETHANE DESIGN INSULATES YOUR WINDOWS JUST LIKE A FREEZER DOOR, TO MAXIMIZE R-FACTOR RATINGS.

Craftsmanship THAT LASTS A LIFETIME

No matter which style you choose, you can rest assured that your new Vanguard windows have been built with quality in mind. From the materials to the techniques, each window is hand crafted to provide superb design, ease of maintenance, and exceptional durability. And, every Vanguard window comes standard with a Lifetime, Non-Prorated, Transferable Warranty.

Explore Your Options:

- » DOUBLE HUNG
- » SINGLE HUNG
- » SLIDING
- » CASEMENT
- » AWNING
- » GEOMETRIC SPECIALTY SHAPES
- » BAY
- » BOW
- » PICTURE
- » PROJECTED FRAME
- » GARDEN
- » SLIDING PATIO DOOR



ALL VANGUARD DOUBLE HUNG AND SLIDER WINDOWS ARE CONSTRUCTED WITH SECURESEAL™ MEETING RAIL SYSTEM, A FIBERGLASS STRUCTURAL CORE

DOUBLE HUNG

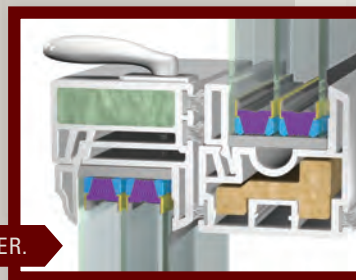


- Minimal maintenance and easy operation with tilt-in feature, contoured lift-rails and pre-tensioned, dual pulley Block & Tackle balance system
- Advanced, triple weather-stripping seals for top efficiency performance
- UltraCore® polyurethane window frame insulation provides added comfort and the ultimate in energy efficiency
- Coved interior glazing bead for added elegance
- Added security with recessed pick resistant locks
- Extruded aluminum screen frame with heavy-duty aluminum corner reinforcements for years of worry-free performance

SINGLE HUNG



- Identical appearance to the Double Hung window, with coved interior glazing bead and recessed locks, but only one movable sash
- Lower sash offers tilt-in feature, contoured lift-rails and pre-tensioned, dual pulley Block & Tackle balance system
- Advanced, triple weather-stripping seals maximize efficiency
- Extruded aluminum screen frame with heavy-duty aluminum corner reinforcements for years of worry-free performance



SLIDING



- Our signature narrowline window design for maximum glass viewing area
- Coved interior glazing bead for traditional design lines
- UltraCore® polyurethane window frame insulation provides added comfort and the ultimate in energy efficiency
- FiberCore® sash for added efficiency and performance
- Lift out sliders with dual brass rollers featuring a stainless steel axle for years of worry free performance
- Enjoy added peace of mind with recessed pick resistant locks and night latches for venting
- Standard sliding window provides easy, lift out sashes
- In-swing sashes offer added efficiency, and can be easily cleaned from inside your home

WITH OUR HIGH PERFORMANCE POLYURETHANE INSULATION AND A TRIPLE WEATHER-STRIP BARRIER.

CASEMENT



- One of the industry's lowest air infiltration rates
- 1 $\frac{3}{8}$ " overall triple glazed insulated high performance glass package option available
- Optional deeper sash allows for the combination of ENERGY STAR qualifying glass system with SunBlinds®
- Stepped internal and contoured external design maximizes the beauty while minimizing the appearance of the frame and sash
- Low profile, single-lever locking handle controls up to three locking points for added security
- Squareness ensured through adjustable hinge system
- Dual weather-stripping system with compression and primary weather seals protects against drafts

AWNING



- Optional 1 $\frac{3}{8}$ " overall triple glazed insulated high performance glass package
- Contoured external design and stepped internal and maximizes the beauty while minimizing the appearance of the frame and sash
- Added security via two low-profile, locking handles which control a single point lock bar
- Squareness ensured through adjustable hinge system
- Dual weather-stripping system with compression and primary weather seals protects against drafts
- One of the industry's lowest air infiltration rates

GEOMETRIC SPECIALTY SHAPES



- Add distinction to your home's appearance inside and out
- Can be configured with various, operational windows and/or patio doors
- Standard geometric shapes include:
 - » Full Circle
 - » Circle Top
 - » Circle Top with Extended Legs
 - » Eyebrow
 - » Eyebrow with Extended Legs
 - » Octagon
 - » Trapezoid
 - » Pentagon
 - » Quarter Round
 - » Triangle
 - » Architectural Single Hung
- Custom sizes and shapes available





OPTIONAL WOODGRAIN LAMINATES ADD SIMPLICITY AND BEAUTY TO THE INTERIOR OF VANGUARD BAY, BOW AND GARDEN

BAY



- Designed with 3 lites, with side windows configured at 30° or 45° angles
- High quality seatboards, headboards and side panels are manufactured from furniture grade 1 1/8" thick oak veneer plywood (versus typical 3/4" thick plywood)
- An anti-water penetration system helps protect your home against unwanted water and moisture damage
- Optional woodgrain laminates eliminate the need to paint or stain the Bay's interior, while providing easier maintenance and greater durability
- Laminate surface finishes include Painters White, Golden Oak, Provincial Oak, Brazilian Pecan, English Walnut or Colonial Cherry

BOW



- Designed with 3, 4, 5 or 6 equal lites, all set at 10° angles, for versatile window design
- High quality seatboards, headboards and side panels are manufactured from furniture grade 1 1/8" thick oak veneer plywood (versus typical 3/4" thick plywood)
- Interior surfaces can be finished with optional, easy-care woodgrain laminates in Painters White, Golden Oak, Provincial Oak, Brazilian Pecan, Colonial Cherry or English Walnut to eliminate the need to paint or stain surfaces
- An anti-water penetration system helps protect against unwanted water and moisture damage

PICTURE



- Large, single frame window allows for greatest, uninterrupted viewing area
- Add designer art glass or decorative grids to create a statement window that provides beauty and privacy
- Optional, non-operational Casement Picture configuration delivers maximum efficiency ratings for picture-style window
- Can be mulled to operational windows to allow home ventilation

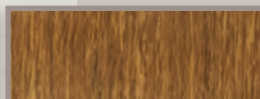
WINDOWS.



Brazilian Pecan



Colonial Cherry



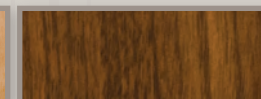
Provincial Oak



Golden Oak



Norwegian Maple



English Walnut



Painters White

PROJECTED FRAME



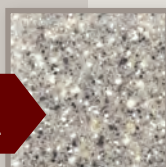
- Custom sized Projected Frame windows can be built with virtually any type of window, any glass design, and color combination in order to give your room a beautiful view
- High quality seatboards, headboards and side panels manufactured from furniture grade 1 1/4" thick oak veneer plywood versus typical 3/4" thick plywood
- Optional surface laminates, available in select woodgrain finishes or Painters White, eliminate the need to paint or stain the window's interior

GARDEN



- Ideal window space for growing plants and flowers, or just show casing your collectables
- Easy to reach handle with two fully operational trapezoids for worry-free ventilation
- Sashes that open away from your home
- Adjustable height glass shelf is standard
- Single or double insulated seat boards are available
- Optional solid surface seat boards, in five decorator colors, are available

PERSONALIZE YOUR GARDEN WINDOW WITH ONE OF FIVE OPTIONAL SOLID SURFACE SEATBOARD COLORS.



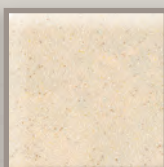
Gray Granite



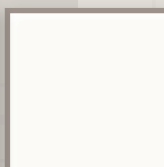
Black Pearl



White Quartz

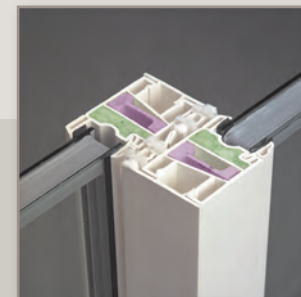


Vanilla Sugar



Arctic White

The Vanguard Sliding door leaves a lasting impression when it is added to your favorite room. With sophistication, uncompromising security and high thermal performance, you'll get everything you want and need to achieve your definitive look.



SLIDING PATIO DOOR

- Exclusive FiberCore+Plus™ construction; a pultruded fiberglass structural core built like an I-beam to provide the ultimate frame strength and durability
- UltraCore® polyurethane insulation for superior efficiency
- Optional ventilation/dead bolt foot-lock
- Exclusive Clash-Free Interlock for easy, unhampered operation
- 1" Thick tempered safety glass, encased in an impressive, sculpted sash frame, offering security and beauty
- Superior weather protection provided through quad weather-stripping and t-foam draft block
- Oversized 1 1/2" diameter twin tandem steel rolling system, and top hung screen door provides a lifetime of effortless operation
- Concealed, three-point locking system and keyed handle provides greater security



THREE-POINT LOCKING SYSTEM

Peace OF MIND TO LAST A LIFETIME

The Vanguard promise, our TotalCare Warranty, ensures your new window purchase will be backed by a comprehensive warranty and installed by a certified, professional Vanguard Authorized Window Installer. We back your purchase with our TotalCare Lifetime Non-Prorated Transferable Warranty!



VANGUARD SLIDING PATIO DOORS ARE AVAILABLE IN CONFIGURATIONS SPANNING UP TO 12 FEET WIDE

Consisting of two stationary end panels and a sliding center panel

HARDWARE FINISHES

STANDARD



Forever Finish Brass



Brushed Nickel

ARCHITECTURAL



White



Antique Brass



Oil-Rubbed Bronze





200 ENTERPRISE DRIVE | TEMPERANCE, MI 48182-9500 | PHONE: 734-847-8778

WWW.VANGUARDWINDOWS.COM

